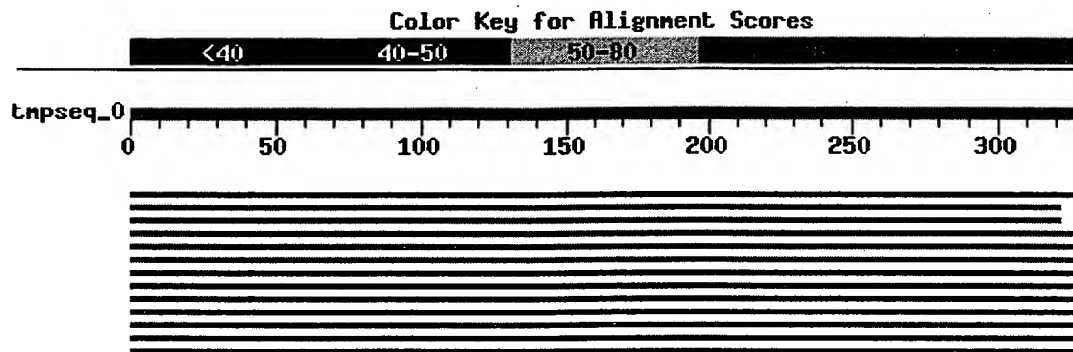


Sequence of cytochrome b gene (328 bp) revealed from biological material of unknown origin i.e. 'adil.flesh' using primers 'mcb398' and 'mcb869'

Homology search in 'nr' database using 'BLAST'



Sequences producing significant alignments:	Score (bits)	E Value
gb AY005809.1 Panthera pardus cytochrome b gene, partial c...	603	e-170
gb AF053054.1 AF053054 Panthera tigris sumatrae isolate Su1...	527	e-147
gb AF053053.1 AF053053 Panthera tigris tigris isolate B7 mi...	527	e-147
gb AF053050.1 AF053050 Panthera tigris corbetti isolate C2 ...	476	e-132
gb AF053049.1 AF053049 Panthera tigris corbetti isolate C1 ...	476	e-132

Selection of reference animals based on above information
and further analysis using primers 'mcb398' and 'mcb869'

Multiple sequence alignments
using 'Autoassembler'

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225          250          275          300          325
-CTAG-TACTAAT-CCTAGCAC-TCAT-AC-TCGT--C-CTATTCTCACCAGACCTGTTGGG-GACCCC-GATAACTACAT-C-CCC-GCCAACCC-TI
gz2L  -CTAG-TACTAAT-CCTAGCAC-TCAT-AC-TCGT--C-CTATTCTCACCAGACCTGTTGGG-GACCCC-GATAACTACAT-C-CCC-GCCAACCC-TI
bh225l-CTAG-TACTAAT-CCTAGCAC-TCAT-AC-TCGT--C-CTATTCTCACCAGACCTATTAGGG-GACCCC-GATAACTACAT-C-CCC-GCCAACCC-TI
dz14sl-CTAG-TACTAAT-CCTAGCAC-TCAT-AC-TCGT--C-CTATTCTCACCAGACCTATTAGGG-GACGCC-GATAACTACAT-C-CCC-GCCAACCC-TI
chimss -TTCTCT-TT--T-CCTC-CTTATCCT-AATGACAT--TAACACTATTCTCACCAGACCTCCTGGG-GAT-CCAGACAACATA--C-CCTAGCTAACCCCT
gz22cl-CTAG-TTCTAATTCT-AGCGC-TCAC-ACT-AC-TTGT--T-CTATTCTCACCAGACCTACTAGGA-GA-CCCTGACAA-T-TACACTCCC-GCCAACCC-TI
sb222al-CTAG-TACTAAT-CCTAGCAC-TCAT-AC-TCGT--C-CTATTCTCACCAGACCTATTAGGA-GATCCC-GACAACATAC-C-CCC-GCCAATCC-TI
humsk  CTTC-T-CT--T-CCTT-CTC-TCCTTAATGACAT--TAACACTATTCTCACCAGACCTCCTAGGC-GAC-CCAGACAATTATA--C-CCTAGCCAAACCCCT
bh220wt-CTAG-TACTAAT-CCTAGCAC-TCAT-AC-TCGT--C-CTATTCTCACCAGACCTATTAGGG-GACCCC-GATAACTACAT-C-CCC-GCCAACCC-TI
gz3L   -CTAG-TACTAAT-CCTAGCAC-TCAT-AC-TCGT--C-CTATTCTCACCAGACCTGTTGGG-GACCCC-GATAACTACAT-C-CCC-GCCAACCC-TI
gz1L   -CTAG-TACTAAT-CCTAGCAC-TCAT-AC-TCGT--C-CTATTCTCACCAGACCTGTTGGG-GACCCC-GATAACTACAT-C-CCC-GCCAACCC-TI
adil.fleshCTAG-TACTAAT-CCTAGCAC-TCAT-AC-TCGT--C-CTATTCTCACCAGACCTGTTGGG-GACCCC-GATAACTACAT-C-CCT-GCCAACCC-TI

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Figure 1 b